TRANSI (to be used for all co	MITTAL FO		Application No.	10/749,482
			Filing Date	December 31, 2003
(to be used for all co	rrespondence afte	r initial filing)	First Named Inventor	Jeffrey S. Cohen
			Art Unit	Not yet assigned
			Examiner Name	Not yet assigned
Total Number of Pag	ges in This Submission	on 5	Attorney Docket Number	42P17669
	ENCLOS	SURES (chec	ck all that apply)	
Fee Transmittal Fo	orm	Drawing(s)	After Allowance Communicato Group
Fee Attache	d	Licensing-	related Papers	Appeal Communication to Book of Appeals and Interferences
Amendment / Resp	oonse	Petition		Appeal Communication to G (Appeal Notice, Brief, Reply Brief)
After Final Affidavits/de	claration(s)	Petition to Provisiona	Convert a I Application	Proprietary Information
Extension of Time	Request	Power of A Change of	Attorney, Revocation f Correspondence Address	Status Letter
Express Abandonr	nent Request	Terminal [Disclaimer	Other Enclosure(s) (please identify below):
Information Disclos	sure Statement	Request fo	or Refund	First Class Certificate of Mailing and the stamped
PTO/SB/08		CD, Numb	er of CD(s)	return postcard and copies the eleven (5) cited articles
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Response to Missi Incomplete Applica	ng Parts/ ation	Romarks		
Basic F	ling Fee	Remarks		
Declara	tion/POA			
Response to Parts under 1.52 or 1.53	Missing 37 CFR			
		OF APPLICA	NT, ATTORNEY, OR AC	GENT
Firm	Brent E. Vecchi			
or Individual name			o,011 TAYLOR & ZAFM	ANLLP
Signature	Hut?	Velchi		
Date	MAY 5, 2	<u> </u>		
	CERTIFI	CATE OF MAII	LING/TRANSMISSION	

5/5/04

Date

Based on PTO/SB/21 (02-04) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 02/10/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

FEE TRANSM	NITTAL		Complete if Known
A TAY T'AF		Application Number	10/749,482
for FY 20	04	Filing Date	December 31, 2003
Effective 01/01/2004. Patent fees are subje	ct to annual revision.	First Named Inventor	Jeffrey S. Cohen
Applicant claims small entity status	. See 37 CFR 1.27.	Examiner Name	Not yet assigned
		Art Unit	Not yet
TOTAL AMOUNT OF PAYMENT	(\$)	Attorney Docket No.	42P17669

METHOD OF PAYMENT (check all that apply)				FE	E CALCULATI	ON (continue	ed)	
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Deposit Account	Large	Entity	Sma	II Entity	•			
	Fee	Fee	Fee	Fee	_			
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Number	1051 1052	130 50	2051 2052	65 25	Surcharge - late filing Surcharge - late provi			
Deposit Account Blakely, Sokoloff, Taylor & Zafman LLP	1002	30	2002	20	cover sheet.	Sional ming 166 Of		
Name Diakery, Sokoloff, Taylor & Zafffaff LLT	2053	130	2053	130	Non-English specifica			
The Commissioner is authorized to: (check all that apply)	1812	2,520	1812	2,520	For filing a request for	•	nation	
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804	920	 Requesting publication 	on or SIH phorto		
Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.	1805	1,840*	1805	1,840		on of SIR after		
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to the above-identified deposit account	1251	110	2251	55	Extension for reply wi			
FEE CALCULATION	1252	420	2252	210	Extension for reply wi			
1. BASIC FILING FEE Large Entity Small Entity	1253	950 1,480	2253	475 740	Extension for reply wi			<u> </u>
Fee Fee Fee Fee Description Fee Paid	1254 1255	2,010	2254 2255	1,005	Extension for reply wi			
Code (\$) Code (\$)	1404	330	2401	·	Notice of Appeal			
1001 770 2001 385 Utility filing fee	1402	330	2402	165	Filing a brief in suppo	ort of an appeal		
1002 340 2002 170 Design filing fee	1403	290	2403	145	Request for oral hear			
1003 530 2003 265 ' Plant filing fee 1004 770 2004 385 Reissue filing fee	1451	1,510	2451	1,510	Petition to institute a	public use proceed	ling	
1005 160 2005 80 Provisional filing fee	1452	110	2452	55	Petition to revive - un	avoidable		
	1453	1,330	2453	665	Petition to revive - un	intentional		
SUBTOTAL (1) (\$)	1501	1,330	2501	665	Utility issue fee (or re	issue)		
2. EXTRA CLAIM FEES Extra Fee from	1502	480	2502	240	Design issue fee			
Total Claims below Fee Paid	1503	640	2503	320	Plant issue fee			
Independent - 20 = X	1460	130	2460	130				
Claims 3 X = X = Multiple Dependent = =	1807	50	1807		Processing fee under		4	
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Fee Fee Fee Fee Description	0021	40	0021	40	property (times numb			
Code (\$) Code (\$)	1809	770	1809	385	Filing a submission af	ter final rejection		
1202 18 2202 9 Claims in excess of 20	4040	770	0040	225	(37 CFR § 1.129(a))			
1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For each additional in examined (37 CFR §		-	
1203 290 2203 145 Multiple Dependent claim, if not paid 1204 86 2204 43 **Reissue independent claims over original	1801	770	2801	385	Request for Continue	d Examination (RC	E)	
patent	1802	900	1802	900	Request for expedited			
1205 18 2205 9 **Reissue claims in excess of 20 and over	Other fe	e (specify)	i		of a design application	<u> </u>		
original patent						···· ·_·	 	
SUBTOTAL (2) (\$)	*Reduced	l by Basic Filin	g Fee Pai	d	;	SUBTOTAL (3)	(\$)	
**or number previously paid, if greater, For Reissues, see below	<u> </u>							
SUBMITTED BY	م ا	onistratio	nn Ma			Comp	lete (if applic	• • • • • • • • • • • • • • • • • • • •
Name (Print/Type) Brent E. Vecchia		egistration torney/Age			48,011	Telephone	(303) 74	0-1980
Signature Sont C. Jewie						Date	MAy 5,	2004

Based on PTO/SB/17 (10-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 02/10/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Docket No.: 42P17669

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

JEFFREY S. COHEN

Application No.: 10/749,482

Filed: December 31, 2003

For: TRELLIS DECODER AND METHOD OF

DECODING

Art Group: Not yet assigned

Examiner: Not yet assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

But C. Velena

Brent E. Vecchia, Reg. No. 48,011

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

Telephone: (303) 740-1980

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Krista Mathieson

Date

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPELLA

(use as many sheets as necessary)

of 2 Sheet

Complete if Known					
Application Number	10/749,482				
Filing Date	December 31, 2003				
First Named Inventor	Jeffrey S. Cohen				
Art Unit	Not yet assigned				
Examiner Name	Not yet assigned				
Attorney Docket Number	42P17669				

	U.S. PATENT DOCUMENTS						
		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
Examiner Initials*	Cite No.1	Number - Kind Code² (if known)	or Issue Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
		US-6,594,795	07-15-2003	Satou			
		US-6,496,954'	12-17-2002	Ono			
		US-6,378,106	04-23-2002	Allpress et al.			
		US-6,256,352	07-03-2001	Chang			
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	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T-6			
Initials*	No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	<u> </u>			
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Examiner	Date	
Signature	Considered	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

^{&#}x27;Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁴Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449A/PTO			Complete if Known			
INFORMATION DISCLOSURE			SUDE	Application Number	10/749,482		
INFO	NIVIA I TON L	NOCEO:	JUNE	Filing Date December 31, 2003			
STATEMENT BY APPLICANT			CANT	First Named Inventor	Jeffrey S. Cohen		
				Art Unit	Not yet assigned		
	<u> </u>			Examiner Name	Not yet assigned		
Sheet	2	of	2	Attorney Docket Number	42P17669		

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
		Gulak, P. Glenn et al., "Locally Connected VLSI Architectures for the Viterbi Algorithm", IEEE, Journal on Selected Area in Communications, Vol. 6, No. 3; April 1998; Pgs. 527-537				
		Shung, Bernard A., "Area-Efficient Artchitectures for the Viterbi Algorithm -Part I: Theory", IEEE Transactions on Communications, Vol. 41, No. 4; April 1993; Pgs. 636-644.				
		Fleming, Chip;"A Tutorial on Convolutional Coding with Viterbi Decoding; (C) 1999-2003 Spectrum Applications. Retrieved on the Internet on 09/19/2003. Retrieved on the Internet at: Http://home.netcom.com/~chip.f/vterbi/tutorial,html. Pgs. 1-6.	, •			
		Fleming, Chip;"A Tutorial on Convolutional Coding with Viterbi Decoding; (C) 1999-2003 Spectrum Applications. Description of the Algorithms, (Part 1). Retrieved on the Internet on 09/19/2003. Retrieved on the Internet at: Http://home.netcom.com/~chip.f/vterbi/algrthms.html. Pgs. 1-7.				
		Fleming, Chip;"A Tutorial on Convolutional Coding with Viterbi Decoding; (C) 1999-2003 Spectrum Applications. Description of the Algorithms, (Part 2). Retrieved on the Internet on 09/19/2003. Retrieved on the Internet at: Http://home.netcom.com/~chip.f/vterbi/algrthms2,html. Pgs. 1-10				
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Examiner	Date		
Signature	Consider	·ed	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

^{&#}x27;Applicant's unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached.